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cont'd

42. The method of claim 41 wherein providing a microorganism that expresses heterologous DNA encoding a brochocin peptide comprises a secretion vector that comprises a first polynucleotide that encodes brochocin-C and a second polypeptide encoding a brochocin-C processing peptide, wherein at least one of the first polypeptide and the second polypeptide are heterologous to the microorganism.

43. The method of claim 42 wherein said second polypeptide encodes an N-terminal amino acid sequence.

44. The method of claim 43 wherein said N-terminal amino acid sequence comprises a signal amino acid sequence.

45. The method of claim 44 wherein said N-terminal amino acid sequence comprises a leader amino acid sequence.

46. The method of claim 41 wherein said microorganism is a lactic acid bacterium.

47. The method of claim 41 wherein said secretion vector comprises a gene for brochocin-C, and operable muteins thereof; a brochocin-C processing peptide operably linked to said gene; an immunity gene; and a promoter compatible with said microorganism and operably linked to said gene for brochocin-C.